# Project 25 Compliance Assessment Program
## Summary Test Report
## BK Radio KNG-M150 Series Subscribers
## STR-RELM-KNG-M150-01052016

| Device Under Test Description: Mobile Subscriber | |
|---|---|
| Manufacturer | RELM Wireless Corporation |
| Manufacturer Contact | Jim Holthaus 402-896-6406 |
| Product Name | KNG-M150 VHF Mobile Subscriber Radio |
| Frequency Band | VHF |
| Installed Options | Encryption, Trunking |
| Installed Vocoder | Enhanced Dual Rate with System Improvements |

| Test Description |
|---|
| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.1.1 – Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance. |
| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance. |
| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability. |

| Informative References | |
|---|---|
| Date | Title |
| March 2010 | P25-CAB-CAI_TEST_REQ |

| Other Devices Tested with RELM KNG-M150 | | |
|---|---|---|
| Manufacturer | Product Name and Definition | Installed Options |
| Motorola Solutions | ASTRO 25 System | System Release 7.15 |
| Airbus DS Communications | Cassidian P25 Core Network | EADS P25V11_06 E22 |
| Tait | TaitNet TN9400 | System Release TN9400 V1.40 |
| Harris | P25 Trunked Infrastructure | System Release PR9B |
| Codan | Daniels | System Release 1.1.0.9 |
| EF Johnson | Trunking | System Release 3.2-RC4 |

| Laboratory Information | |
|---|---|
| P25 CAP Laboratory Code | Compliance Testing, LLC P25CAP081011-Motorola |
| Date(s) of Test | 28 August 2015 |
| Date of Issue | 8 September 2015 |
| P25 CAP Laboratory Code | Compliance Testing, LLC P25CAP081011-Daniels |
| Date(s) of Test | 20-21 February 2012 |
| Date of Issue | 21 February 2012 |
| P25 CAP Laboratory Code | TIMCO Engineering, Inc. P25CAP081016 |
| Date(s) of Test | 8 February 2011 – 9 March 2011 |
| Date of Issue | 19 August 2011 |
| P25 CAP Laboratory Code | Harris Corporation P25CAP081017 |
| Date(s) of Test | 19 April 2011 |
| Date of Issue | 29 April 2011 |
| P25 CAP Laboratory Code | EF Johnson Technologies P25CAP081010 |
| Date(s) of Test | 20 August 2010 |
| Date of Issue | 23 August 2010 |

## Performance Test Cases and Results

| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.1.1 – Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance | DTR:TIMCO081016 KNG-M150 |
|---|---|

### Performance  - Conventional Receiver Tests KNG-M150 VHF (136-174 MHZ)

| Test Case | Description | Requirement | Results |
|---|---|---|---|
| 2.1.4 | Reference Sensitivity | ≤ -116 dBm | P1 |
| 2.1.5 | Faded Reference Sensitivity | ≤ -108 dBm | P2 |
| 2.1.6 | Signal Delay Spread Capability | ≥ 50 µs | P3 |
| 2.1.7 | Adjacent Channel Rejection | ≥ 60 dB | P4 |
| 2.1.8 | Co-Channel Rejection | ≤ 9 dB | P |
| 2.1.9 | Spurious Response Rejection | ≥ 80 dB | P |
| 2.1.10 | Intermodulation Rejection | ≥ 75 dB | P |
| 2.1.11 | Signal Displacement Bandwidth | ≥ 1000 Hz | P |
| 2.1.17 | Late Entry Unsquelch Delay | | |
| | No Talk Group or Encryption | ≤ 125 mS | P |
| | Talk Group Only | ≤ 370 mS | P |
| | Encryption Only | ≤ 370 mS | P |
| | Both (On Clear or Encrypted Channel) | ≤ 460 mS | P |
| 2.1.18 | Receiver Throughput Delay | ≤ 125 mS | P |

| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.1.1 – Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance | DTR:TIMCO081016 KNG-M150 |
|---|---|

### Performance  - Conventional Transmitter Tests KNG-M150 VHF (136-174 MHz)

| Test Case | Description | Requirement | Results |
|---|---|---|---|
| 2.2.8 | Unwanted Emissions: Adjacent Channel Power Ratio | ≥67 dB | P |
| 2.2.12 | Transmitter Power Attack Time | ≤50 mS | P |
| | Encoder Attack Time | ≤100 mS | P |
| 2.2.14 | Transmitter Throughput Delay | ≤ 125 mS | P |
| 2.2.15 | Frequency Deviation for C4FM | | |
| | High Level Signal Deviation | $2544 \le f_{dev} \le 3111$ Hz | P |
| | Low Level Signal Deviation | $848 \le f_{dev} \le 1037$ Hz | P |
| 2.2.16 | Modulation Fidelity | ≤ 5% | P |
| 2.2.18 | Transient Frequency Behavior | | |
| | Time Interval $t_1$ = 5.0 mS | $|\Delta f| \le 12.5$ kHz | P |
| | Time Interval $t_2$ = 20.0 mS | $|\Delta f| \le 6.25$ kHz | P |
| | Time Interval $t_3$ = 5.0 mS | $|\Delta f| \le 12.5$ kHz | P |

| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance | DTR-TIMCO081016 KNG-M150 |
|---|---|

**Performance  - Trunked Receiver Tests KNG-M150 VHF (136-174 MHz)**

| Test Case | Description | Requirement | Results |
|---|---|---|---|
| 2.1.4 | Reference Sensitivity | ≤ -116 dBm | P1 |
| 2.1.5 | Faded Reference Sensitivity | ≤ -108 dBm | P2 |
| 2.1.6 | Signal Delay Spread Capability | ≥ 50 µs | P3 |
| 2.1.7 | Adjacent Channel Rejection | ≥ 60 dB | P4 |
| 2.1.8 | Co-Channel Rejection | ≤ 9 dB | P |
| 2.1.9 | Spurious Response Rejection | ≥ 80 dB | P |
| 2.1.10 | Intermodulation Rejection | ≥ 75 dB | P |
| 2.1.11 | Signal Displacement Bandwidth | ≥ 1000 Hz | P |

| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance | DTR-TIMCO081016 KNG-M150 |
|---|---|

**Performance  - Trunked Transmitter Tests KNG-M150 VHF (136-174 MHz)**

| Test Case | Description | Requirement | Results |
|---|---|---|---|
| 2.2.8 | Unwanted Emissions: Adjacent Channel Power Ratio | ≥67 dB | P |
| 2.2.12 | Transmitter Power Attack Time<br>Encoder Attack Time | ≤50 mS<br>≤100 mS | P<br>P |
| 2.2.14 | Transmitter Throughput Delay | ≤ 125 mS | P |
| 2.2.15 | Frequency Deviation for C4FM<br>High Level Signal Deviation<br>Low Level Signal Deviation | <br>$2544 \leq f_{dev} \leq 3111$ Hz<br>$848 \leq f_{dev} \leq 1037$ Hz | <br>P<br>P |
| 2.2.16 | Modulation Fidelity | ≤ 5% | P |
| 2.2.18 | Transient Frequency Behavior<br>Time Interval $t_1$ = 5.0 mS<br>Time Interval $t_2$ = 20.0 mS<br>Time Interval $t_3$ = 5.0 mS | <br>$|\Delta f| \leq 12.5$ kHz<br>$|\Delta f| \leq 6.25$ kHz<br>$|\Delta f| \leq 12.5$ kHz | <br>P<br>P<br>P |

| P25-CAB-CAI_TEST_REQ – March 2010, Section 2.1.1.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance | | DTR-TIMCO081016 KNG-M150 | |
|---|---|---|---|
| **Performance - Trunked Subscriber Tests KNG-M150 VHF (136-174 MHz)** | | | |
| Test Case | Description | Requirement | Results |
| 2.3.1 | Trunking Control Channel Slot Times | | |
| | (45 mS Slot) | | |
| | Encode Attack Time | 2.00 mS ≤ t ≤ 11.65 mS | P |
| | RF Power Attack Time | 0.00 mS ≤ t ≤ 11.65 mS | P |
| | RF Power Turn Off Time | ≤ 1.57 mS | P |
| 2.3.2 | Trunking Request Time | ≤ 167 mS | P |
| 2.3.3 | Trunking Voice Access Time | ≤ 1000 mS | P5 |
| 2.3.5 | Transmitter Time to Key on a Traffic Channel | ≤150.0 mS | P |
| | RF TX time to Key – Working Channel Encoder Transmit Time | ≤150.0 mS | P |

| P25-CAB-CAI_TEST_REQ _ March 2010, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability | | DTR-P25CAP081011 Motorola | DTR-P25CAP081010-10082301-RELM | DTR-P25CAP081017-1110419R01 | DTR-TIMCO081016 Tait/TN9400/RELM | DTR-TIMCO081016 Tait/Airbus/RELM | DTR-P25CAP081011 Daniels |
|---|---|---|---|---|---|---|---|
| **RELM Model Class**<br>**KNG Series Subscriber Radios** | | Motorola ASTRO 25 System Release 7.15 | EFJohnson Technologies System Release 3.2-RC4 | Harris P25 Trunked Infrastructure | Tait TN-9400 | Airbus DSC P25 VESTA Radio Infrastructure | Daniels P25 Trunked Radio System |
| Test Case | Description | Results | | | | | |
| 2.2.1 | Full Registration | | | | | | |
| 2.2.1.4.1 | Test Case 1 - Valid Registration | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.1.4.2 | Test Case 2 – Denied or Refused Registration | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.1.4.3 | Test Case 3 – Unverified Registration | | | | | | |
| | Home Configuration | P | P | P | P | P | N5 |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.2 | Group Voice Call | | | | | | |
| 2.2.2.4.1 | Test Case 1 – Group Call Granted | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.2.4.2 | Test Case 2 – Group Call Denied | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.2.4.3 | Test Case 3 – Group Call Request Queued | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.3 | Unit-to-Unit Voice Call | | | | | | |
| 2.2.3.4.1 | Test Case 1 Unit-to-Unit Call with Target Availability Check | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |

| P25-CAB-CAI_TEST_REQ _ March 2010, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability | | DTR-P25CAP081011 Motorola | DTR-P25CAP081010-10082301-RELM | DTR-P25CAP081017-1110419R01 | DTR-TIMCO081016 Tait/TN9400/RELM | DTR-TIMCO081016 Tait/Airbus/RELM | DTR-P25CAP081011 Daniels |
|---|---|---|---|---|---|---|---|
| **RELM Model Class**<br>**KNG Series Subscriber Radios** | | Motorola ASTRO 25 System Release 7.15 | EFJohnson Technologies System Release 3.2-RC4 | Harris P25 Trunked Infrastructure | Tait TN-9400 | Airbus DSC P25 VESTA Radio Infrastructure | Daniels P25 Trunked Radio System |
| Test Case | Description | Results | | | | | |
| 2.2.3.4.2 | Test Case 2 Unit-to-Unit Call with Target Availability Check Denied by Target | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.3.4.3 | Test Case 3 – Unit-to-Unit Call queued with Target Availability Check - Traffic Channel Assignment After Target Availability Check. | | | | | | |
| | Home Configuration | P | P | P | N/A1 | N/A1 | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.3.4.4 | Test Case 4 – Unit-to-Unit Call without Target Availability Check - Traffic Channel Assignment Before Target Availability Check | | | | | | |
| | Home Configuration | N/A2 | N/A2 | P | P | P | N/A2 |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.3.4.5 | Test Case 5 – Unit-to-Unit Call without Target Availability Check | | | | | | |
| | Home Configuration | N3 | N3 | P | N3 | N3 | N3 |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.3.4.6 | Test Case 6 – Unit-to-Unit Call Queued without Target Availability Check | | | | | | |
| | Home Configuration | N4 | N4 | P | N4 | N4 | N4 |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.3.4.7 | Test Case 7 – Unit-to-Unit Call Denied | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.4 | Broadcast Voice Call | | | | | | |
| 2.2.4.4.1 | Test Case 1 – Broadcast voice call | | | | | | |

| P25-CAB-CAI_TEST_REQ _ March 2010, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability | | DTR-P25CAP081011 Motorola | DTR-P25CAP081010-10082301-RELM | DTR-P25CAP081017-1110419R01 | DTR-TIMCO081016 Tait/TN9400/RELM | DTR-TIMCO081016 Tait/Airbus/RELM | DTR-P25CAP081011 Daniels |
|---|---|---|---|---|---|---|---|
| **RELM Model Class** **KNG Series Subscriber Radios** | | Motorola ASTRO 25 System Release 7.15 | EFJohnson Technologies System Release 3.2-RC4 | Harris P25 Trunked Infrastructure | Tait TN-9400 | Airbus DSC P25 VESTA Radio Infrastructure | Daniels P25 Trunked Radio System |
| Test Case | Description | Results | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.5 | Affiliation | | | | | | |
| 2.2.5.4.1 | Test Case 1 – Radio Permitted to Affiliate with New Group | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.5.4.2 | Test Case 2 – Radio Denied Affiliation to New Group | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.6 | Announcement Group Call | | | | | | |
| 2.2.6.4.1 | Test Case 1 – Collection of talk groups receive call | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.7 | Emergency Alarm | | | | | | |
| 2.2.7.4.1 | Test Case 1 – Emergency Alarm | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.8 | Emergency Group Call | | | | | | |
| 2.2.8.4.1 | Test Case 1 – Emergency call | | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| 2.2.10 | Encryption | | | | | | |
| 2.2.10.4.1 | Test Case 1 – Call Privacy for Encrypted Call | | | | | | |

| P25-CAB-CAI_TEST_REQ _ March 2010, Section 2.1.3.2 – Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability | | DTR-P25CAP081011 Motorola | DTR-P25CAP081010-10082301-RELM | DTR-P25CAP081017-1110419R01 | DTR-TIMCO081016 Tait/TN9400/RELM | DTR-TIMCO081016 Tait/Airbus/RELM | DTR-P25CAP081011 Daniels |
|---|---|---|---|---|---|---|---|
| **RELM Model Class** **KNG Series Subscriber Radios** | | Motorola ASTRO 25 System Release 7.15 | EFJohnson Technologies System Release 3.2-RC4 | Harris P25 Trunked Infrastructure | Tait TN-9400 | Airbus DSC P25 VESTA Radio Infrastructure | Daniels P25 Trunked Radio System |
| Test Case | Description | Results | | | | | |
| | Home Configuration | P | P | P | P | P | P |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |
| | | | | | | | |
| 2.2.11 | Inter-Location Registration Area Roaming | | | | | | |
| 2.2.11.4.1 | Test Case 1 – Idle radio | | | | | | |
| | Home Configuration | P | P | P | P | P | N5 |
| | Inter-System Roaming Configuration | N1 | N1 | N1 | N1 | N1 | N1 |
| | Inter-WACN Roaming Configuration | N2 | N2 | N2 | N2 | N2 | N2 |

| Model Class: BK Radio KNG Series Subscriber | |
|---|---|
| **Product Name, Definition and Unique ID** | **Model Number and Installed Options** |
| **KNG-P150 VHF Portable** <br> Release 1.2.1.1 thru 1.5.3.0 | **KNG-P150, KNG-P150T2, KNG2-P150, KNG2-P150T2** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |
| **KNG-P400 380-470 MHz Portable** <br> Release 1.2.1.1 thru 1.5.3.0 | **KNG-P400, KNG-P400T2, KNG2-P400, KNG2-P400T2** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |
| **KNG-P500 440-520 MHz Portable** <br> Release 1.2.1.1 thru 1.5.3.0 | **KNG-P500, KNG-P500T2, KNG2-P500, KNG2-P500T2** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |
| **KNG-P800 700/800MHz Portable** <br> Release 1.2.1.1 thru 1.5.3.0 | **KNG-P800, KNG-P800T2, KNG2-P800, KNG2-P800T2** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |
| **KNG-M150 VHF Mobile** <br> Release 2.2.1.1 thru 2.5.3.0 | **KNG-M150, KNG-B150, KNG-TMR150** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |
| **KNG-M400 380-470 MHz Mobile** <br> Release 2.2.1.1 thru 2.5.3.0 | **KNG-M400, KNG-B400, KNG-TMR400** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |
| **KNG-M500 440-520 MHz Mobile** <br> Release 2.2.1.1 thru 2.5.3.0 | **KNG-M500, KNG-B500, KNG-TMR500** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |
| **KNG-M800 700/800MHz Mobile** <br> Release 2.2.1.1 thru 2.5.3.0 | **KNG-M800, KNG-B800, KNG-TMR800** <br> Options: Trunking (KZA0579) and Encryption (KZA0577) |

| Test Case Result Definitions | |
|---|---|
| **No Test Performed** | N/A |
| **Test Does Not Apply to the Test Object** | N/A |
| **Test Object Meets Requirements** | P (Pass) |
| **Test Object Does Not Meet Requirements** | F (Fail) |
| **Test Object is Not Conclusive** | I (Inconclusive) |
| **Comments** | |
| N1:  Infrastructure and Subscribers do not support Inter-System Roaming Configuration. | |
| N2:  Infrastructure and Subscribers do not support Inter-WACN Roaming Configurations. | |
| N/A1 Test case 2.2.3.4.3 is not applicable for Tait and Airbus Infrastructure; see results of test case 2.2.3.4.4. | |
| N/A2 Test case 2.2.3.4.4 is not applicable for Motorola, EFJohnson and Daniels Infrastructure; see results of test case 2.2.3.4.3. | |
| N3  Test Case 2.2.3.4.5 is not supported on Motorola, EFJohnson, Tait, Airbus and Daniels Infrastructure. | |
| N4  Test Case 2.2.3.4.6 is not supported on Motorola, EFJohnson, Tait, Airbus and Daniels Infrastructure. | |
| N5 Test Case 2.2.11.4.1 is not supported on Daniels Infrastructure. | |
| P1:  RELM subscriber passes Reference Sensitivity (≤ -116 dBm ) specification for C4FM (Non-Simulcast) and Simulcast modulations. | |
| P2:  RELM subscriber passes Faded Reference Sensitivity (≤ -108 dBm) specification for C4FM (Non-Simulcast) and Simulcast modulations. | |
| P3:  RELM subscriber passes Signal Delay Spread Capability specification for C4FM (Non-Simulcast) (≥ 50 µs) and Simulcast (≥ 80 µs) modulations. | |
| P4:  RELM subscriber passes Adjacent Channel Rejection (≥ 60 dB) specification for C4FM (Non-Simulcast) and Simulcast modulations. | |
| P5:  Trunking Voice Access Time will vary dependent on actual system design and implementation. | |

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**OMB NO:** 1640-0015
**EXPIRATION DATE:** 07/31/2015      New OMB Date: 04/30/2016 - KRT for DHS OIC

**Burden Statement**
An agency may not conduct or sponsor information collection and a person is not required to respond to this information collection unless it displays a current valid Office of Management and Budget control number and an expiration date. The control number for this collection is 1640-0015 and this form will expire on 04/30/2012. The estimated average time to complete this form is 60 minutes per respondent. If you have any comments regarding the burden estimate you can write to Department of Homeland Security, Science and Technology Directorate, Washington, DC 20528.
DHS FORM 10056 – June 2009